

# METHODS AND APPARATUS TO EVALUATE STATISTICAL REMULTIPLEXER PERFORMANCE

## ABSTRACT OF THE DISCLOSURE

5           The present invention relates to methods and apparatus for quantitatively measuring the performance of a statistical remultiplexer. The methods of the present invention provide for generation of evaluation metrics associated with at least one of amount of bit rate reduction performed by the statistical remultiplexer, change in video quality attributable to the statistical remultiplexer, wasted output  
10       bandwidth by the statistical remultiplexer, decoder buffer level fullness, bit rate reduction characteristics of the statistical remultiplexer, and time delay attributable to the statistical remultiplexer.

          The methods of the present invention may be implemented by an evaluator  
15       that may be incorporated into a statistical remultiplexer or may be separate from and connectable to a statistical remultiplexer.